

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Pasi Tikka et al.
Patent No. : 7,616,079
Issue Date : November 10, 2009
Serial No. : 10/530,507
Filed : April 6, 2005

Art Unit : 2817
Examiner : Barbara Summons
Conf. No. : 5763

Title : BULK ACOUSTIC WAVE RESONATOR AND CIRCUIT COMPRISING SAME

Attn.: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF REQUEST FOR CERTIFICATE OF CORRECTION

Applicant hereby requests that a certificate of correction be issued for the above patent in accordance with the attached request.

All errors sought to be corrected were made in printing by the Patent and Trademark Office, and no fee is believed to be due.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

January 7, 2010
Date: _____

/Paul Pysher/

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transmittal of reque_1.doc

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I hereby certify that this paper was filed with the Patent and Trademark Office using the EFS-WEB system on this date: January 07, 2010

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT No. .: 7,616,079
APPLICATION NO .: 10/530,507
DATED .: NOVEMBER 10, 2009
INVENTOR(S) .: PASI TIKKA

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First page, Column 1, Inventor Pasi Tikka:
Delete [Munich] and Insert - -Unterhaching- -

First page, Column 1, Inventor Stommer:
Delete [Neuhiberg] and Insert - - Neubiberg - -

First page, Column 2, Abstract:
Delete [The invention relates to a resonator operating with bulk acoustic waves (BAW resonator, BAW = Bulk Acoustic Wave) and band-pass filters constructed of such resonators. To increase the edge steepness of the transmission band of a BAW band-pass filter, the invention proposes reducing the effective coupling of a BAW resonator by using the connection in parallel of a BAW resonator and a capacitor instead of only one resonator. In addition, to increase the edge steepness of the transmission band, the use of a connection of coupled BAW resonators in the serial branch of a filter circuit with another resonator or resonator stack in the parallel branch of the filter circuit is proposed, the additional resonator or resonator stack being connected to the center electrode of the resonator stack specified initially.]

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APPLICATION NO .: 10/530,507
DATED .: NOVEMBER 10, 2009
INVENTOR(S) .: PASI TIKKA

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Insert - -An apparatus includes a resonator for use with bulk acoustic waves. The resonator is made up of a lower layer region including a first electrode, an upper layer region including a second electrode, and a piezoelectric layer between the first electrode and the second electrode. A capacitor is in parallel with the resonator or in series with the resonator.- -

Column 10, Claim 16, Lines 39-40:
Delete [substrate] and Insert - -substrate, - -

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